

PROGRAMMABLE LOGIC DEVICE INCLUDING PROGRAMMABLE MULTI-
GIGABIT TRANSCEIVERSABSTRACT OF THE DISCLOSURE

A programmable logic device includes a plurality of programmable multi-gigabit transceivers, programmable logic fabric, and a control module. Each of the plurality of programmable multi-gigabit transceivers is individually programmed to a desired transceiving mode of operation in accordance with a plurality of transceiver settings. The programmable logic fabric is operably coupled to the plurality of programmable multi-gigabit transceivers and is configured to process at least a portion of the data being transceived via the multi-gigabit transceivers. The control module is operably coupled to produce the plurality of transceiver settings based on a desired mode of operation for the programmable logic device.